Classify each compound event as Independent or Dependent, and then find the probability.

1.) Michael flips a coin and rolls a dice. Find the probability that he flips "heads" and rolls a "6".

☐ Independent

☐ Dependent

2.) Alex has a bag of marbles. 5 are green, 3 are blue, and 2 are red. What is the probability that Alex pulls a green marble, puts it in his pocket, and then pulls another green marble?

☐ Independent

☐Dependent

3.) Lauren accidentally drops a coin onto a staircase with 5 stairs. What is the probability that the coin lands on the second stair tails up?

☐ Independent

☐ Dependent

4.) A box of socks contains 5 white socks, 3 grey socks, 4 black socks and 1 blue sock. If Sophie closes her eyes and randomly picks two socks from the box, what is the probability that both socks are grey?

☐ Independent

☐ Dependent

5.) A bowl of fruit is on the kitchen table. It contains 5 apples, 2 oranges, and 2 bananas. Christian and Aaron come home from school and randomly grab one fruit each. What is the probability that both grab oranges?

☐ Independent

☐ Dependent

6.) There are 27 students available to represent the upperclassmen at a school fair. 13 are Juniors and 14 are Seniors. What is the probability that the first student chosen is a Senior, and the second student chosen is a Junior?

☐ Independent

☐ Dependent

7.) If the probability that Caleb makes a free-throw is 60%, what is the probability that Caleb makes two free-throws in a row?

☐ Independent

☐ Dependent

8.) If the two spinners are spun at the same time, what is the probability that the first spinner will land on red, and the second spinner will land on 1?

10.) A baseball player makes a hit 3 out of every 4 at bats. What is the probability that they get two hits in a row?

11.) A basketball player recorded the number of shots they missed and made in the table below. What is the probability that they will make the next two shots in a row?

Missed	Made
6	9

12.) 30 tickets are sold for a raffle with two prizes. You bought two tickets. What is the probability that you will win both prizes?

13.) There are 16 boys, and 14 girls in Mr. Smith's homeroom. If two students are absent, what is the probability that both absent students are boys?

14.) A number cube is rolled 3 times. What is the probability that a number greater than 4 is rolled all three times?

15.) A jar contains 6 blue, 4 red, and 2 green marbles. What is the probability that three blue marbles are drawn with out replacement?